

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Group Art Unit of parent application: 2841

Examiner of parent application: Ishwar B Patel

**In Re PATENT APPLICATION Of:**

**Applicants** : Norio TAKAHASHI

**Appln. No. : To Be Assigned**

Div of Ser. No : 10/289,358, which is division of  
10/022,285, which is division of  
09/450,504

Filed : Herewith

For : MODULE CIRCUIT BOARD FOR  
SEMICONDUCTOR DEVICE  
HAVING BARRIERS TO ISOLATE  
I/O TERMINALS FROM SOLDER

Attorney Ref.: F97ED0740-DIV3

# **INFORMATION DISCLOSURE STATEMENT**

February 11, 2002

Sir:

This is an information disclosure statement submitted in compliance with the timing requirements of 37 C.F.R. §1.97(b)(3).

Attached are eleven copies of U.S. patents, two Japanese laid-open patent publications, and three Japanese Utility model patent publications. English abstracts of the Japanese laid-open patent publications and the Japanese Utility model patent publications are attached hereto. These publications are listed on the attached Form PTO-1449. These publications are cited by the examiner in parent applications (09/450,504 filed November 20, 1999, 10/022,285 filed December 20, 2001 and 10/289,358 filed November 7, 2002,) or cited by an examiner in the counterpart

Japanese application. Should any further fee be needed, please charge it to our Account No. 50-0945 and advise us accordingly.

Consideration of the submitted documents is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Junichi Mimura', is written over a horizontal line.

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Date: February 11, 2004

<b>Notice of References Cited</b>	Application/Control No. 10/289,358	Applicant(s)/Patent Under Reexamination TAKAHASHI, NORIO	
	Examiner Ishwar (I. B.) Patel	Art Unit 2827	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,460,767	10-1995	Sanftleben et al.	264/263
*	B	US-6,531,663	03-2003	Isenberg et al.	174/260
*	C	US-6,049,122	04-2000	Yoneda, Yoshihiro	257/668
*	D	US-4,823,217	04-1989	Kato et al.	360/246.8
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

COPY

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>				Atty Docket		U.S. Application No.:	
				F97ED0740-DIV3		To be assigned	
				Applicant Norio TAKAHASHI			
				U.S. Filing Date: February 11, 2004		Group To be assigned	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA	6,143,991	11-2000	Moriyama, Yoshifumi	174	261	05/28/96
	AB	5,925,445	07-1999	Suzuki, Motoji	428	209	07/14/97
	AC	5,646,068	07-1997	Wilson et al.	437	183	02/03/95
	AD	5,640,308	06-1997	Osann et al.	361	777	11/17/95
	AE	4,580,193	04-1986	Edwards, John C.	361	407	01/14/85
	AF	6,038,132	03-2000	Tokunaga et al.	361	760	05/07/97
	AG	6,087,676	07-2000	Akram et al.	257	48	04/21/99
	AH	5,52,567	09-1996	Peterson et al.	174	261	03/06/95
	AI	5,460,767	10-1995	Sanfteben et al.	264	263	05/31/94
	AJ	6,531,663	03-2003	Isenberg et al.	174	260	01/30/98
	AK	6,049,122	04-2000	Yoneda, Yoshihiro	257	668	08/20/98
	AL	4,823,217	04-1989	Kato et al.	360	246.8	08/27/87
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Public Date	Country	Class	Sub-Class	Translation
	AL	Laid open P10-173326	6/26/98	JAPAN	H05K	2/34	Abstract
	AM	Laid open P07-283493	10/27/95	JAPAN	H05K	1/02	Abstract Full Trans.
	AN	Laid open U53-115965	09/14/78	JAPAN	H05K	1/02	Abstract.
	AO	Laid open U62-044464	03/17/87	JAPAN	H05K	3/34	Abstract
	AP	Laid open U59-078650	05/28/84	JAPAN	H05K	1/02	Abstract
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AR						
	AS						
Examiner					Date Considered		
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							